I claim:

A composite anti-friction bearing structure comprising:
 a bearing substrate, and

an anti-friction layer formed by sintering onto said bearing substrate a sintering composition comprised of from 5 wt% to the percolation limit of particles of a hardfacing composition, the balance comprising bronze powder, a lead alloy powder, a tin powder or a tin alloy powder.

- 2. A composite anti-friction bearing structure as in claim 1, wherein said bearing structure is a bushing, a wear plate, or a wear ring.
- 3. A composite anti-friction bearing structure as in claim 1, wherein said hardfacing composition comprises from 2-15 wt.% of the sintering composition.
- 4. A composite anti-friction bearing structure as in claim 1, wherein said particles of hardfacing composition have a number average particle size of from 5 to 200 μm .
- 5. A composite anti-friction bearing structure as in claim 4, wherein said particles of hardfacing composition have a particle size of from 10 to 60 μm with a mean of 25-30 μm .
- 6. A composite anti-friction bearing structure as in claim 4, wherein said particles of hardfacing composition have globular shapes.
- 7. A composite anti-friction bearing structure as in claim 1, wherein said hardfacing composition is an intermetallic hardfacing alloy comprising = 50 wt.% cobalt and = 25 wt% molybdenum.

8. A composite anti-friction bearing structure as in claim 1, wherein said hardfacing composition is comprised of:

Chromium

8.5 wt.%

Carbon

up to a maximum of 0.08 wt.%

Silicon

2.6 wt.%

Molybdenum

28.5 wt.%

Nickel and Iron

jointly up to a maximum of 3 wt.%

with the balance being Cobalt.

9. A composite anti-friction bearing structure as in claim 1, wherein said hardfacing composition is comprised of:

Cobalt

51.0-53.0 wt.%

Cromium

16.5-17.5 wt.%

Silicon

3.0-3.5 wt.%

Nickel and Iron

3.0 wt.% Max

Molybdenum

27-29 wt.%

Sulfur

.03 wt.% Max

Phosphorus

.03 wt.% Max, and

Carbon

.1 wt.% Max.

- 10. A composite anti-friction bearing structure as in claim 1, wherein said balance of said sintering composition is comprised of bronze powder.
- 11. A composite bushing for use in a die set, comprising:
 a monolithic steel body having a machined internal
 cylindrical surface; and

a porous bearing layer on said internal cylindrical surface; said bearing layer formed by compacting and then sintered in situ on said internal cylindrical surface a sintering composition comprised of from 5 wt% to the percolation limit of particles of a hardfacing composition, the balance comprising bronze, followed by machining, said bearing layer having a thickness of no greater than approximately 0.31 cm.

12. The composite bushing of claim 11, wherein said bronze powder comprises approximately 90% by weight copper and approximately 10% by weight tin.